SUPPLEMENTARY INFORMATION

For details, please refer to Kobayashi, H. et al. Bisulfite sequencing and dinucleotide content analysis of 15 imprinted mouse differentially methylated regions (DMRs): paternally methylated DMRs contain less CpGs than maternally methylated DMRs. Cytogenet Genome Res 113, 130-7 (2006)

12 Maternally imprinted DMRs

>Nespas-Gnasxl (3691 bp)

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>Peg10 (3626 bp)

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>Peg1 (5960 bp)
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>Peg3 (5346 bp)
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3 Paternally imprinted DMRs

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10 CpG islands from human Chromosome 21

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